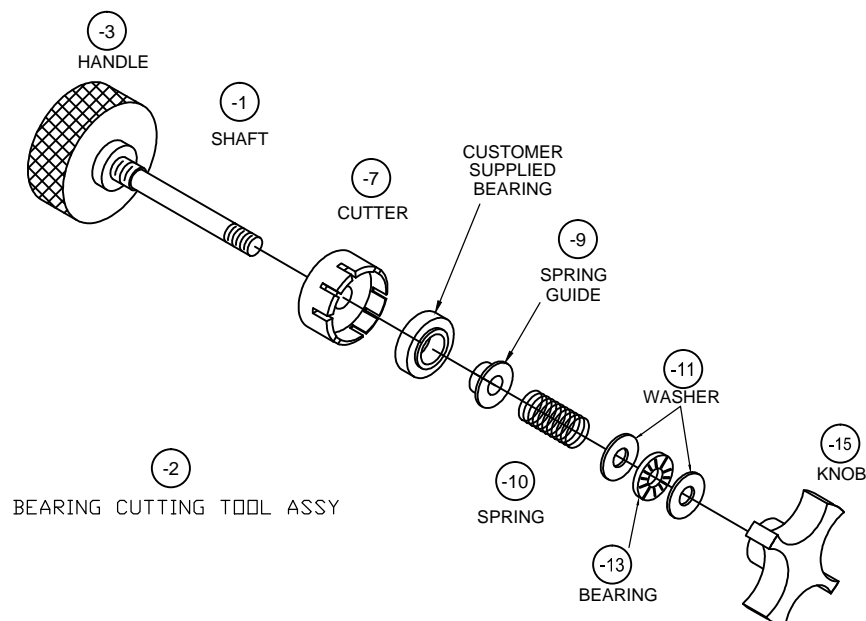
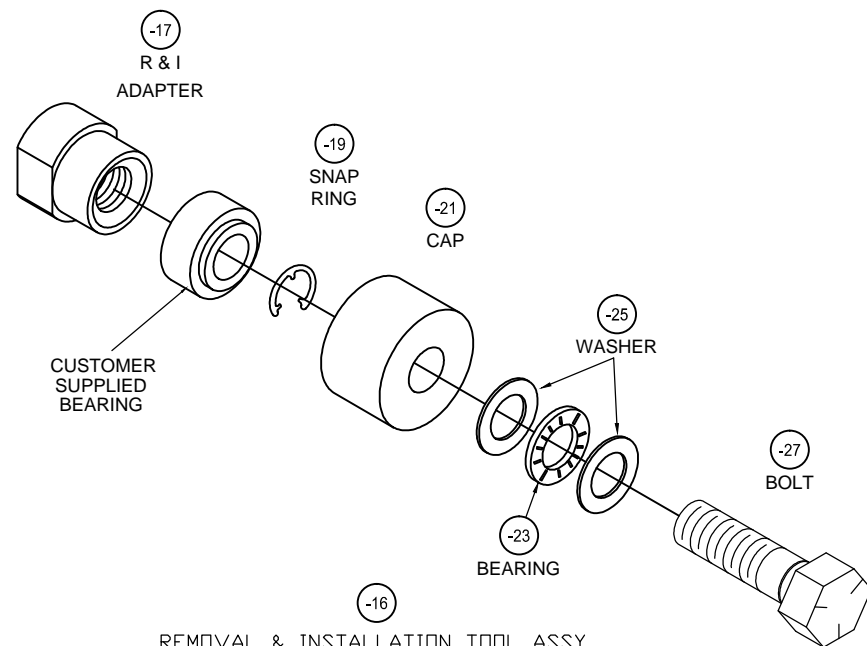


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	-7 RADIAL ANGLE INCREASED FROM 2° TO 5° TO IMPROVE OPERATION.	2/19/04	-	-
2	CH'D -7 PREGRIND TOLERANCE FROM 1.440 +.005 - .002.	1/2/08	WP	G.E.
3	ADDED AN 8° HOOK TO CUTTING TEETH, WAS STRAIGHT WITH NO HOOK.	1/29/08	WP	DW
3A	CH'D TITLEBLOCK & REVISION BLOCK, CORRECTED VIEWS & LABELED ALL SECTION VIEWS, ADDED DETAIL A P/N-1 TO CLARIFY TAPER.	9/28/09	RJC	RW
4	CH'D -7 CUTTER FROM 8 TO 12 TOOTH, ADDED -27 Ø.710 GROOVE CALL OUT DIM. PER GE.	11/15/11	RJC	GE



NOTE:
BEARING #206-031-590-3, ASTRO-NHB12V7AD127

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg.
	1		-1		SHAFT	STRESS PROOF	Ø3/4 x 4	2
	1		-2	1	BEARING CUTTER TOOL ASSY			1
	1		-3		HANDLE	6061 T6	Ø2 x 3/4	3
	1		-7		CUTTER	01	Ø1-1/2 x 5/8	4
	1		-9		SPRING GUIDE	STRESS PROOF	Ø1-1/8 x 5/16	5
	1	B/O	-10		SPRING		5/16 x 2 (EUGENE FASTNER #16)	1
	2	B/O	-11		WASHER		TRA-512 (APPLIED INDUSTRIAL)	1
	1	B/O	-13		BEARING		NTA512 (APPLIED INDUSTRIAL)	1
	1	B/O	-15		KNOB		DK-55 (REID TOOL)	1
	1		-16	1	REMOVAL & INSTALLATION TOOL ASSY			1
	1		-17		R&I ADAPTER	STRESS PROOF	Ø1-5/8 x 1-1/2	6
	1	B/O	-19		SNAP RING		Ø3/4 EXTERNAL	1
	1		-21		CAP	6061 T6	Ø2 x 1-1/4	7
	1	B/O	-23		BEARING		NTA1220 (APPLIED INDUSTRIAL)	1
	2	B/O	-25		WASHER		TRA-1220 (APPLIED INDUSTRIAL)	1
	1		-27		BOLT	GRADE 5	3/4-16 UNF x 2-3/4 MODIFY	8

RED BARN MACHINE

TITLE
BEARING CUTTER

DWG NO. RB877206-12 REV 4

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON:
DECIMALS .XXX ± .005 FRACTIONS ± 1/32
.XX ± .01 ANGLES ± 5°
X ± .1

DRAWN BY: COLE
APPROVED: D Weil
HEAT TREAT FINISH
SPEC

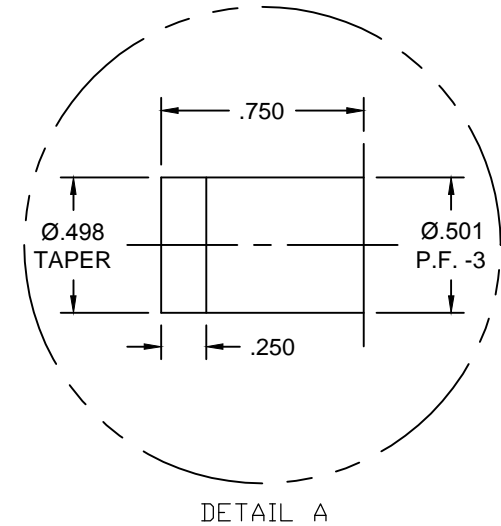
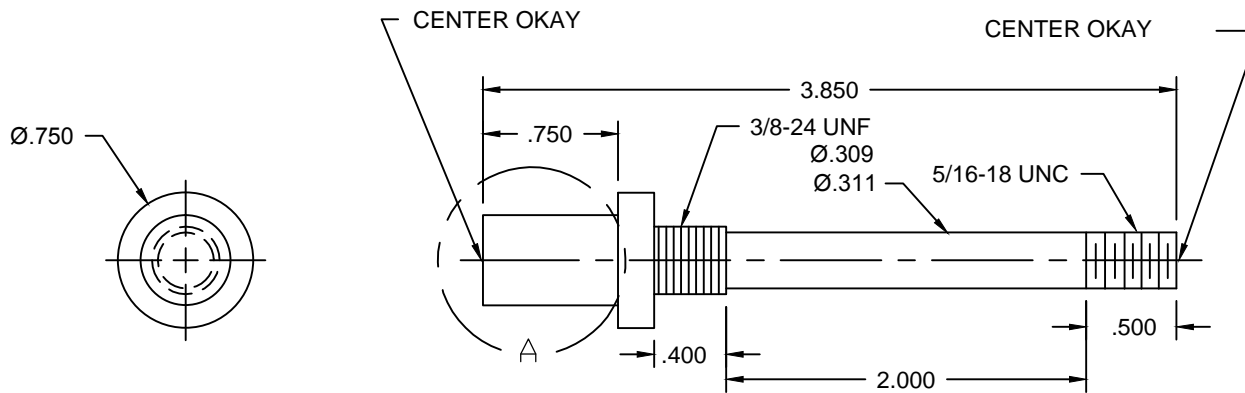
UNLESS OTHERWISE SPECIFIED
1. BREAK ALL SHARP EDGES
015 x 45° PR .015 R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

USED ON MODEL
BELL 206

SCALE NTS DATE 6-28-00 SHEET 1 of 8

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3A	CH'D TITLEBLOCK & REVISION BLOCK, CORRECTED VIEWS & LABELED ALL SECTION VIEWS, ADDED DETAIL A P/N-1 TO CLARIFY TAPER.	9/28/09	RJC	RW



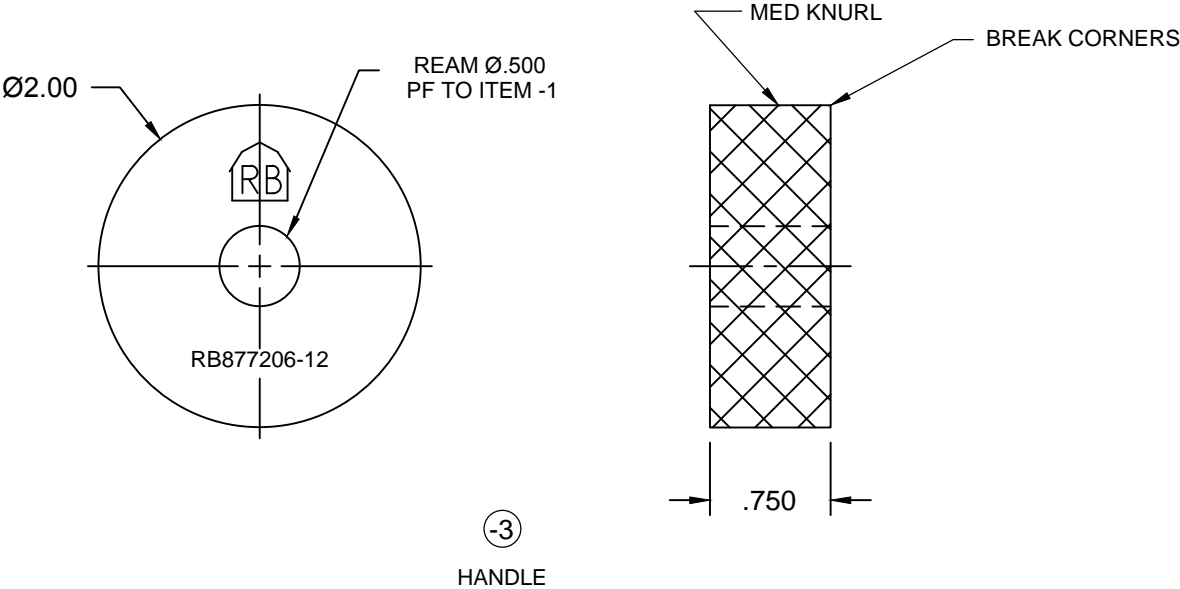
-1

SHAFT

 RED BARN MACHINE	
TITLE BEARING CUTTER	
DWG NO. RB877206-12-1	REV 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 X ± .1	DRAWN BY: COLE APPROVED: <i>D Weil</i> HEAT TREAT FINISH BLACK OXIDE SPEC USED ON MODEL BELL 206
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SCALE NTS DATE 6-28-00 SHEET 2 of 8

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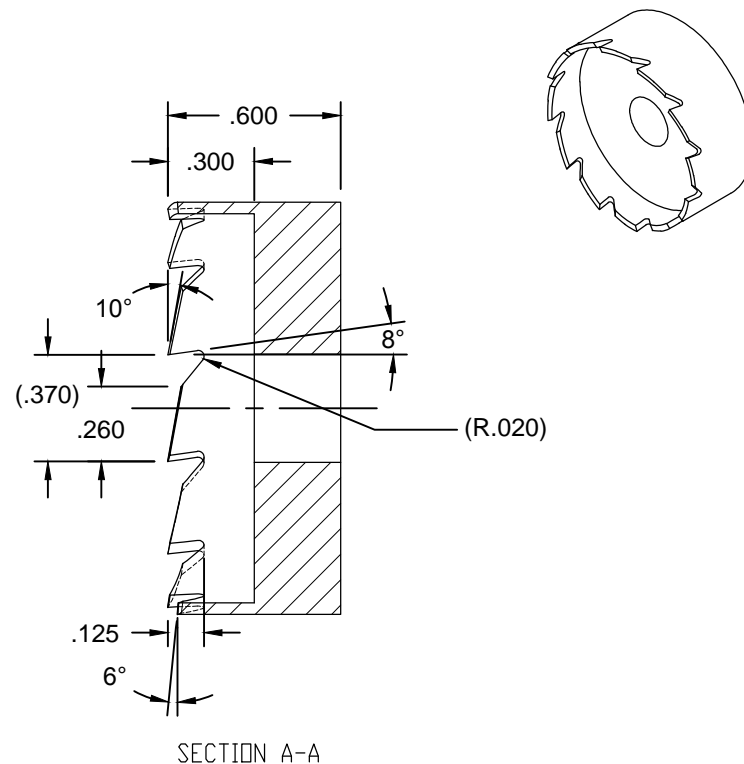
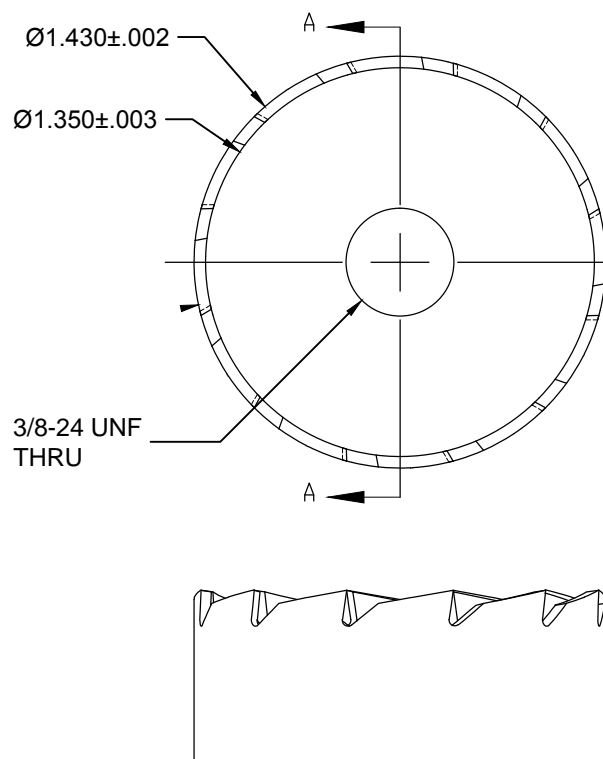
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



RED BARN MACHINE	
TITLE BEARING CUTTER	
DWG NO. RB877206-12-3	REV 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: COLE APPROVED: <i>D Weil</i> HEAT TREAT FINISH BLACK OXIDE SPEC USED ON MODEL BELL 206
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SCALE NTS DATE 6-28-00 SHEET 3 of 8


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	-7 RADIAL ANGLE INCREASED FROM 2° TO 5° TO IMPROVE OPERATION.	2/19/04		
2	CH'D -7 PREGRIND TOLERANCE FROM 1.440 +.005 - .002.	1/2/08	WP	G.E.
3	ADDED AN 8° HOOK TO CUTTING TEETH, WAS STRAIGHT WITH NO HOOK.	1/29/08	WP	DW
4	CH'D -7 CUTTER FROM 8 TO 12 TOOTH PER GE.	11/15/11	RJC	GE



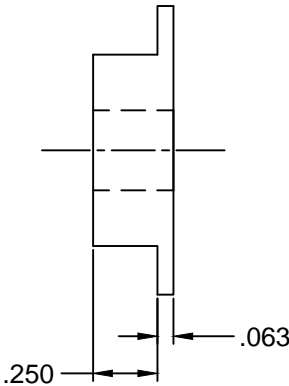
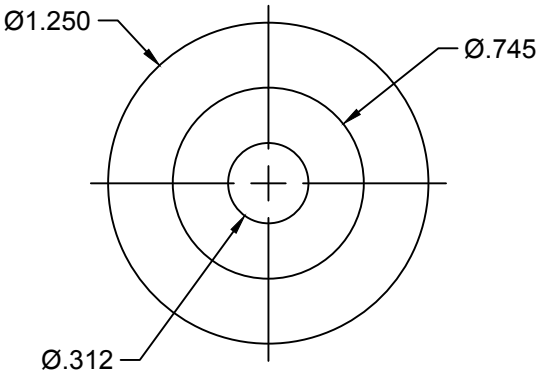
MACHINE TO 1.450^{+0.005}_{-0.000}
GRIND TO SIZE
AFTER HEAT TREAT

-7
CUTTER
12 TEETH

 RED BARN MACHINE	
TITLE BEARING CUTTER	
DWG NO. RB877206-12-7	REV 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° X ± .1	DRAWN BY: COLE APPROVED: <i>D Weil</i> HEAT TREAT RC 50-60 FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL BELL 206
SCALE NTS	DATE 6-28-00 SHEET 4 of 8

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

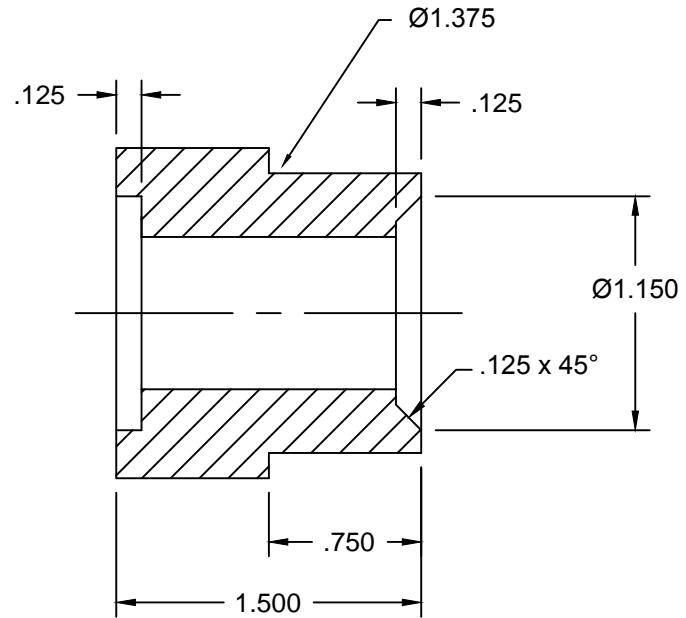
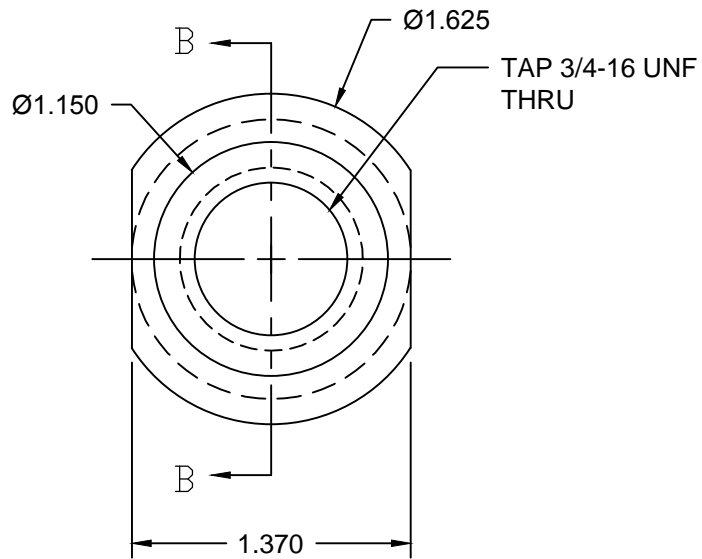


(-9)
SPRING GUIDE

RB RED BARN MACHINE	
TITLE BEARING CUTTER	
DWG NO. RB877206-12-9	REV 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: COLE APPROVED <i>D Weil</i> HEAT TREAT FINISH BLACK OXIDE SPEC USED ON MODEL BELL 206
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SCALE NTS DATE 6-28-00 SHEET 5 of 8

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



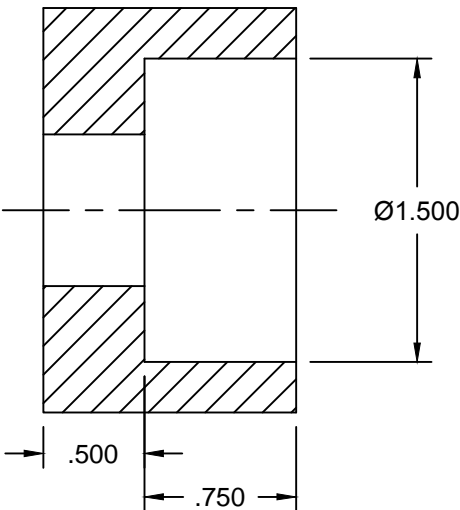
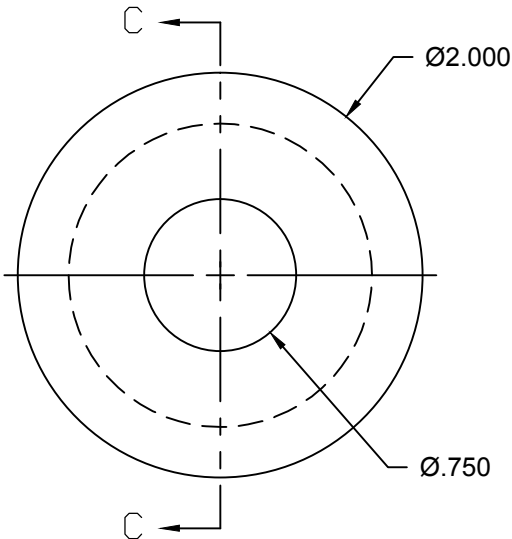
SECTION B-B

-17
ADAPTER R&I

 RED BARN MACHINE	
TITLE BEARING CUTTER	
DWG NO. RB877206-12-17	REV 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 X ± .1	DRAWN BY: COLE APPROVED: <i>D Weil</i> HEAT TREAT FINISH BLACK OXIDE SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL BELL 206
SCALE NTS	DATE 6-28-00 SHEET 6 of 8

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



SECTION C-C

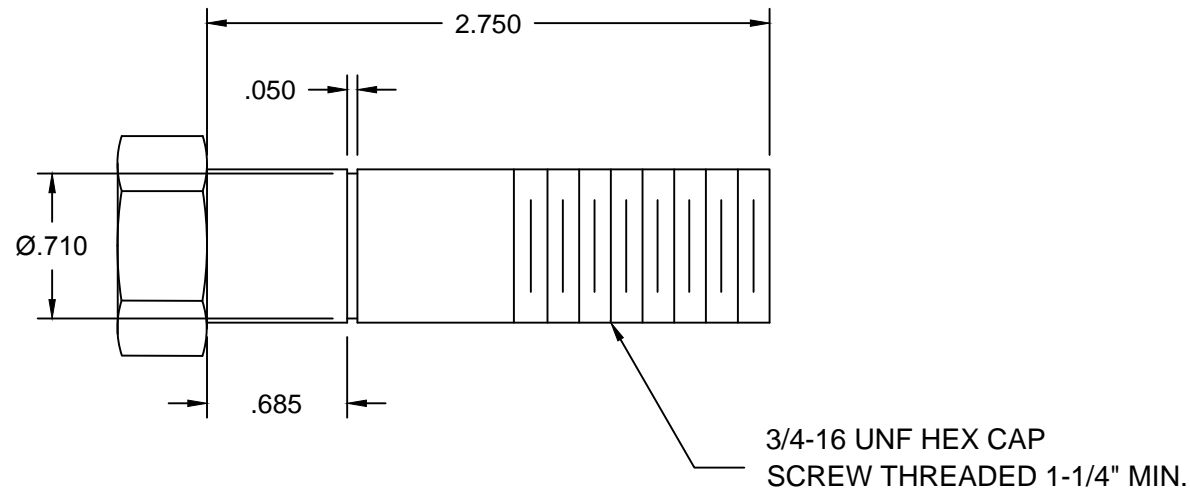
-21

CAP


RED BARN MACHINE	
TITLE BEARING CUTTER	
DWG NO. RB877206-12-21	REV 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: COLE APPROVED: D Weil HEAT TREAT FINISH BLACK OXIDE SPEC UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING
SCALE NTS	DATE 6-28-00
SHEET 7 of 8	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
4	ADDED -.27 Ø.710 GROOVE CALL OUT DIM. PER GE.	11/15/11	RJC	GE



(-27)
BOLT

 RED BARN MACHINE	
TITLE BEARING CUTTER	
DWG NO. RB877206-12-27	REV 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 X ± .1	DRAWN BY: COLE APPROVED: <i>D Weil</i> HEAT TREAT FINISH: BLACK OXIDE SPEC:
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL BELL 206
SCALE NTS	DATE 6-28-00 SHEET 8 of 8

